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A-71760/AJT/TJH
463031-139

*CERTIFICATE OF MAILING (37 CFR 1.8(a))*

*I hereby certify that this correspondence (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on May 14, 2004.*

*Signature:* _____
*Laura Lee Mosier*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| *In re* application of: LAZAREV et al. | | Art Unit: | 1772 |
| Serial No. | 10/656,578 | Examiner: | To be assigned |
| Filed: | September 4, 2003 | Date: | May 14, 2004 |
| For: *Organic Photosensitive Optoelectronic Device* | | | |

**INFORMATION DISCLOSURE STATEMENT SUBMITTED PRIOR TO THE FIRST OFFICIAL ACTION**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and in accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, Applicants wish to draw the attention of the U.S. Patent and Trademark Office to the references cited on the accompanying form PTO/SB/08A-08B. In accordance with 1273 Off. Gaz. Pat. Off. 1, 8/5/2003, no copies of U.S. patents and U.S. published applications are enclosed. Further, in accordance with the provisions of 37 C.F.R. § 1.98(b)(5)(c), Applicant submits that reference no. C17 is substantively cumulative, in which a copy of the publication is not submitted, and that this publication is considered cumulative. Copies of all other references are enclosed.

None of the foregoing references is believed to disclose the invention as claimed. Nothing herein shall constitute an admission concerning the contents of any of the cited references, nor shall the inclusion of a reference herein be considered an admission that the

reference constitutes prior art against the invention claimed in the above-identified application. Submission of the present document shall not be construed as an admission that a search has been made or that better art does not exist.

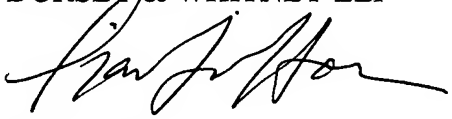
As far as is known to the undersigned, this Information Disclosure Statement is being filed within three months of the filing date of a national application, within three months of the date of entry of the national state in an international application, or before the mailing date of a first Office Action on the merits as set forth in 37 C.F.R. § 1.97(b), and therefore no fee is required.

While no fee is believed to be due, if this belief is in error the Commissioner is authorized to charge any additional fees, including extension fees or other relief which may be required, or credit any overpayment to Deposit Account No. 50-2319 (Our Order No. 463031-139 [A-71760/AJT/TJH]).

Please direct any calls in connection with this application to the undersigned at (650) 494-8700.

Respectfully submitted,

DORSEY & WHITNEY LLP



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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*



| Sheet | 1 | of | 2 |
|---|---|---|---|

| *Complete if Known* | |
|---|---|
| **Application Number** | 10/656,578 |
| **Filing Date** | September 4, 2003 |
| **First Named Inventor** | Pavel I. LAZAREV |
| Group Art Unit | 1772 |
| Examiner Name | Not yet assigned |
| Attorney Docket Number | A-71760/AJT/TJH (463031-139) |

**U.S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No.[1] | U.S. Patent Document Number | Kind Code[2] (*if known*) | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|---|---|---|---|---|---|---|
| | A1 | 5,739,296 | | GVON *et al.* | 04-14-1998 | |
| | A2 | 6,049,428 | | KHAN *et al.* | 04-11-2000 | |
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**FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Cite No.[1] | Foreign Patent Document Office[3] | Number[4] | Kind Code[2] (*if known*) | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T[6] |
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| Examiner Signature | | Date Considered | |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Unique citation designation number. [2] See attached Kinds of U.S. Patent Documents. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. [6] Applicant is to place a check mark here if English Language Translation is attached.

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| **First Named Inventor** | Pavel I. LAZAREV |
| Group Art Unit | 1772 |
| Examiner Name | Not yet assigned |
| Attorney Docket Number | A-71760/AJT/TJH (463031-139) |

| Sheet | 2 | of | 2 |
|---|---|---|---|

**NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite No.[1] | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T[2] |
|---|---|---|---|
| | C1 | ASHIDA, M., et al., "Thermal Transformation of Vacuum-Condensed Thin Films of Copper-Phthalocyanine", *Journal of Crystal Growth*, 1971, 8:45-56. | |
| | C2 | ASHIDA, M., et al., "Unit Cell Metastable-form Constants of Various Phthatlocyanines", *Bulletin of the Chemical Society of Japan*, 1966, 39(12): 2616-2624. | |
| | C3 | ASHIDA, M., "The Orientation Overgrowth of Metal-phthalocyanines on the Surface of Single Crystals. I. Vacuum-condensed Films on Muscovite", *Bulletin of the Chemical Society of Japan*, 1966, 39(12 ): pp. 2625-2631. | |
| | C4 | ASHIDA, M., "The Orientation Overgrowth of Metal-phthalocyanines on the Surface of Single Crystals. II. Vaccuum-condensed Films of Copper-phthalocyanine on Alkali Halides", 1966, 39(12): 2632-2638. | |
| | C5 | BOBROV, Y., "Spectral properties of Thin Crystal Film Polarizers", *Molecular Materials*, 2001, 14(3 ):191-203. | |
| | C6 | DITTMER, "Photovoltaic Properties of MEH-PPV/PPEI Blend Devices", J.J., et al., *Synthetic Metals*, 1999, 102:879-880. | |
| | C7 | FRYER, J.R., "Molecular Images of Thin-Film Polymorphs and Phase Transformations in Metal-Free Phthalocyanine", *Acta Cryst.*, 1979, A35, pp. 327-332. | |
| | C8 | HIRAMOTO, M., et al., "Photocurrent multiplication in organic pigment films", *Appl. Phys. Lett.*, 1994, 64(2): 187-189. | |
| | C9 | LAZAREV, P., et al., "X-ray Diffraction by Large Area Organic Crystalline Nano-Films", *Molecular Materials*, 2001, 14(4): 303-311. | |
| | C10 | McPHERSON, A., "Facilitation of the Growth of Protein Crystals by Heterogeneous/Epitaxial Nucleation", *Journal of Crystal Growth*, 1988, 85:206-214. | |
| | C11 | MURATA, Y. et al., "Molecular image of copper phthalocyanine", *Journal of Microscopy*, December 1976, Vol. 108, Pt., 3, pp. 261-275. | |
| | C12 | NAZEERUDDIN, M.K., et al., "Conversion of Light to Electricity by *cis*-$X_2$Bis(2,2'-bipyridyl-4,4'-dicarboxylate)ruthenium(II) Charge-Transfer Sensitizers (X=$Cl^-$, $Br^-$, $I^-$, $CN^-$, and $SCN^-$) on Nanocrystalline $TiO_2$ Electrodes", *J. Am.Chem. Soc.*, 1993, 115 (14): 6382-6390. | |
| | C13 | PETRITSCH, K., Ph.D. Thesis, "Organic Solar Cell Architectures", Cambridge and Graz, July 2000, Chapters 3 and 4, Single Layer Devices, p. 31 and p. 67. | |
| | C14 | SAIJO, H. et al., "Epitaxial Growth of a New Polymorph of Cu-Phthalocyanine on Graphile", *Journal of Crystal Growth*, 1977, 40: 118-124. | |
| | C15 | SAITO, Y., "Epitaxial Growth Mechanism of Chlorinated Copper Phthalocyanine on KCl Surfaces", *Appl. Surf. Sci.*, 1985, 22/23, pp. 574-581. | |
| | C16 | SAITO, Yoshio et al., "Molecular Energetics of the Epitaxial Growth of Chlorinated Copper Phthalocyanine on KCl surfaces", *Journal of Crystal Growth*, 1984, 67:91-96. | |
| | C17 | SZE, S.M., *Physics of Semiconductor Devices*, Wiley-Interscience, New York, 1981. (Not included) | |
| | C18 | UYEDA, N. et al., "Molecular image resolution in electron microscopy", *J. App. Phys.*, Vol. 43, No. 12, December 1972, pp. 5181-5189. | |

| Examiner Signature | | Date Considered | |
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